OOK

Depth 6	Contents 7	Reference to last Measurement 8

M. A. R. 57 (Rule 116)
Measurement Book

No. B

498012

Serial No. 1st and Final Bill

Name of Work Improvements to Roads, drains and culverts at Wno.8

Name of Contractor of nature of Agency Kodigehalli and Surrounding at Wno.8

Date of commencement of work ....(Est. cost Rs. 50.00 Lakh.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Job No:- 008-18-000009					P.3333	
	WO NO:- BBMP/EE/BTP/WO/212/2018-19					14 01/2019	
	Contractor:- Sri P. Vijaya Babu						
	A.S. NO:- AS/EE/BTP/169/17-18					27 01/18	
	T.S. NO:- TS/CE/YNK/559/17-18					27 01/18	
	Date of starting	16/01/2019					
	Date of Completion	05/03/2019					
	Date of Recording	01/03/2019					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
2no. (1)	Dismantling of existing structures like culverts, retaining walls and other structures comprising of Cement Concrete disposal of unserviceable materials and stacking the serviceable materials, with all lifts Complete as per specification Qty vide pno 438087						
						b/f this MB - 16.65 m³	
						b/f Ltd of Dp - 14.94 m³	
	Rs 465/m³					Rs 6947=00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
2no (2)	Earthworks excavation in ordinary soil, exc and sides neatly d cards to be lo breaking of clods Co Qty vide pno 4	
	Rs 186	

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
...ew like ... other ...t Concrete ...tings ... modi... ...as per			
... this MB - 16.67 m³			
...Rtd in Dp - 14.94 m³			
		Rs 6947=00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 498013

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
2nd (3)	Earthwork excavation by manual means in ordinary soil, excavated before levelled and sides neatly dressed, the disposal earth to be leveled neatly after breaking of clods Complete as per Spn. Qty vide pno 498089					607.41 m³	
						this MB - 166.67 m³	
						Qty tbd in	this MB - 16.94 m³
							Rs 1,12,978.00
		Cft 186/m³					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Inv: (2)	providing and laying in position plain cement concrete 1:3:6 with opc cement @ 220 kgs with coarse and dust of granite gravel mix course agg @ 0.892 cum and fine agg @ 0.461 cum including cost of all materials, labours, tools & machinery carriage complete as per specification						
	Qty vide pm 498090					85.28 m³	
	Drain wall side	(2+3)	52.11	0.10	0.8 =	5.61	
				Total Qty		90.89 m³	
	CR 53481 m³						R 4860792.00

M. A. R. 57
Measurer

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number	Leng
1 (5)	2	3	4
Inv (4)	providing laying plain/re Concrete for Bay drain wall 15cm th 60cm thick cinclu shuttering form work etc approved drawing and de 8m at 150, 170, 220 as 20 g 0.75 m height		
	~~Qty vide pm~~		1
	Measurements Cont'd		

OK

Depth 6	Contents 7	Reference to last Measurement 8
ostitution		
6		
th		
re		
and		
r cost		
chedule		
the		
ual MB	85.28 m³	
0.8 =	5.61	
l qty	90.89 m³	
	@ 4,860.79=00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 498014

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
5	providing laying plain/reinforced cement Concrete for Bay drain walls & thickness 15cm to 60cm thick including Centering Shuttering formwork etc Complete as per approved drawing and design MORTH Sec 1501, 1701, 2201 as per Grade upto 0.75m height						
	~~Qty as per~~						
	Measurements Cont'd on next page (498015)						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Ino: ~~5~~ 2no: 2	Providing & laying TMT Steel reinforcement to SOR for RCC work including Removing and Resetting foot path Slabs of drain						
	Qty wide pno 498088 of thickness					84.38 m²	
	CR 132/m²						R 11,138.16

M.
Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Measurement	Co
	(A) Raft concrete Bottom Slab B/s	(2x
		(2x
		(2x
		(2x
		(2x
		(2x
	Side wall B/s	(2x
		(2x
		(2x
		(2x

NT BOOK

mensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8

M. A. R. 57 (Rule 116)
Measurement Book

No. B 498015

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Measurement	Cont'd from	PNO	498014			IND (5)
(A)	Rayt concrete Bottom Slab B/S	(2×1)	30.00	0.85	0.15	7.65 cum	
		(2×1)	22.50	0.85	0.15	5.73	
		(2×1)	30.00	0.85	0.15	7.65 cum	
		(2×1)	22.00	0.85	0.15	5.61	
		(2×1)	30.00	0.85	0.15	7.65	
		(2×1)	28.50	0.85	0.11	7.26	
	Side wall B/S	(2×2)	30.00	0.15	0.60	10.80	
		(2×2)	22.50	0.15	0.60	8.10	
		(2×2)	30.00	0.15	0.60	10.80	
		(2×2)	22.00	0.15	0.60	7.92	
						79.17 cum	

C&F (.....)

P.W. (Bldg.)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		(2×2)	30.00	0.15	0.60	10.80	
		(2×2)	28.50	0.15	0.60	10.26	
	(B) Bottom Slab -	(1×1)	30.00	0.85	0.15	3.82	
		(1×1)	24.00	0.85	0.15	3.06	
	Side wall.	(1×2)	30.00	0.15	0.60	5.40	
		(1×2)	24.00	0.15	0.60	4.32	
	(C) Bottom Slab 4s	(1×1)	30.00	0.35	0.15	3.37	
	Rs	(1×1)	19.00	0.35	0.15	2.13	
		(1×1)	20.00	0.35	0.15	2.25	
	cross Rods	(1×3)	19.00	0.35	0.15	6.41	
		(1×2)	28.00	0.35	0.15	6.30	
	Side walls.	(2×1)	30.00	0.15	0.60	5.40	
		(2×1)	19.00	0.15	0.60	3.42	
		(2×1)	20.00	0.15	0.60	3.60	
						149.71	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	(B) Bottom Slab
	Side walls
	Culvert Slab
	Side walls

BOOK

dth	Depth 6	Contents	Reference to last Measurement 8
B R		79.174 cum	
	0.60	10.80	
	0.60	10.26	
	0.15	3.82	
	0.15	3.06	
	0.60	5.40	
	0.60	4.32	
	0.45	3.37	
	0.15	2.13	
	0.15	2.25	
	0.15	6.41	
	0.15	6.30	
	0.60	5.40	
	0.60	3.42	
	0.60	3.60	

149.71

M. A. R. 57 (Rule 116)
Measurement Book

No. B 498016

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 149.71 7	Reference to last Measurement 8
		(2×3)	19.00	0.15	0.60	10.26 cum	
		(2×2)	28.60	0.15	0.60	10.08	
	(B) Bottom Slab	(1×1)	30.00	0.85	0.15	3.82	
	Sidewalls	(1×1)	12.00	0.85	0.45	1.53	
		(2×1)	30.00	0.15	0.60	5.40	
		(2×1)	44.00	0.15	0.60	2.16	
	Catwalk Slab	(1×2)	6.50	1.30	0.25	4.22	
		(1×2)	5.20	1.30	0.25	3.38	
		(1×1)	3.50	1.30	0.25	1.13	
	Sidewalls	(2×2)	6.50	0.25	0.60	3.90	
		(2×2)	5.20	0.25	0.60	3.12	

185.80

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	185.85	8
		(2+1)	3.50	0.70	0.60 =	1.05	
					Total qty	176.95 cum	186.85
					qty upto	169 ~~50~~ cum	
		CR/10700/13					Rs 18,10,440.00
Inv (6)	providing & providing Fms Steel reinforcement fe 500 for RCC works including straightening cutting, bending placing in position tying with binding wire Complete as per design, Clops, hooks and wastages shall not be measured						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	and paid) cost of machinery Comple
	qty side pro
	CR/64

(Left page, partly visible)

...OOK

...th	Depth 6	Contents	Reference to last Measurement 8
		185.89	
	0.60	1.05	
...tal qty		176.95 cum	186.85
upto		169.50 cum	
			Rs 18,10,440.00
...08 works			
...g, bending			
binding			
laps, hooks			
...ad wood			

(Right page)

M. A. R. 57 (Rule 116)
Measurement Book

No. B 498017

Serial No. ....
Name of Work .... From............................ To............................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	and paid) cost of materials, labours, Hire of machinery complete as per specification						
	qty vide p no 498090 – 092 (this MB					9155.68 kg	
					Say	9.15 mt	
		@ Rs 64243/mt					Rs 587823.00
	[signature] 1.3.19		1/3/19				

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
2nd ⑦	Measurements Cont'd on 6/3/2019						
	providing and fixing RCC pre cast cover slab of 100 mm thick for drain with cement concrete m 20 using graded granite Jelly 20mm and down size with steel reinforcement. including form works complete.						
	Ⓐ -	540	0.75	0.60	-	243.00 m	
	Ⓑ -	86	0.75	0.60	-	38.70	
	Ⓒ -	50	0.75	0.60	-	22.50	
	Ⓓ -	31	0.75	0.60	-	13.95	
	Ⓔ -	33	0.75	0.60	-	14.85	
	Ⓕ -	95	0.75	0.60	-	42.75	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Casting Slabs for the existing drain from Rama mandir Rd to Anjaneya Temple Rd missing & damaged slabs

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
2019			
cer			
d dam			
60	-	243.00 m²	
60	-	38.70	
60	-	22.50	
60	-	13.95	
60	-	14.85	
60	-	42.30	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 498018

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Cleaning Slabs on the existing drain From Rama mandir Rd to Anjanya Temple Rd	93	0.45	0.60	-	41.85 m²	
		280	0.45	0.60	-	126.00 m²	
		220	0.45	0.60	-	99.00 m²	
	missing & damaged Slabs			Total	Qty	642.60 m²	
	@ Rs. 1500/m²						Rs. 9,63,900.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Jno (8)	providing and laying RCC in the Cast Cover Slab of 25 mm thick for drain c/s cement Concrete m.20 using Graded granite Jelly 20mm and down Size with Steel reinforcement Complete						
	Culvert at Ranganadu Rd to Anjenaya Kapu Rd	20	1.50	0.60	-	18.00 m²	
		16	1.50	0.60	-	14.40	
		6	1.20	0.60	-	4.32	
				Total qty.		36.72 m²	
				Qty Less than DP		31.80 m²	
	Cb @ 111.00/m²					@ 1,62,529.00	

M.
Serial No. .....
Name of Work ..... Fr
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
Jno (9)	providing and laying cement Concrete m.20 1: 240 kgs with 20mm and 0.878 Cum and fine aggr mixed Concrete laid c/s 15cms thick c/s plast materials, Labour Hire g Complete c/s per Spec (A).	0.50

T BOOK

nsions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
ing cast			
r dkg			
ing			
and dkg			
Complete			
0.60	-	18.00 m²	
0.60	-	14.40	
0.60	-	4.32	
		36.72 m	
Dkg slg.		31.80 m²	
Ud th Dp			
		R 1,62,529.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 498019

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(9) providing and laying cement plain cement concrete 1:2:4 with cement @ 240 kgs with 22mm and down stone jelly @ 0.878 cum and fine agg @ 0.459 cum machine mixed Concrete laid ctn layer not exceeding 15cms thick ctn including cost of all materials, labour, hire of machinery, curing complete as per specification						
	(A)	0.50×2	52.50	0.35	0.10	= 1.83 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		(0.10×2)	52.00 m	0.35	0.10	= 1.82 cum	
		(0.10×2)	58.00	0.35	0.10	= 2.04 cum	
	(B) -	0.10	54.00 m	0.35	0.10	= 0.94 -	
	(C) -	0.50	30.00 m	0.30	0.10	= 0.45 -	
		0.50	19.00 m	0.30	0.10	= 0.28 -	
		0.50	20.00 m	0.30	0.10	= 0.30 -	
		(0.50×3)	19.00 m	0.30	0.10	= 0.85 -	
		(0.50×2)	28.00 m	0.30	0.10	= 0.84 -	
	Contd.					9.35 cum	
		@ Rs 5767.00 m(cum)				Rs 53,921.00	
	Total Amt					Rs 419,757.00	

Date 15/3/19

M.

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Certificate	
	(1) The work complet	
	(2) The contractor ha	
	own men & m	
	(3) The contractor ha	
	debris from si	
	Thank	

UREMENT BOOK

Dimensions				Contents	Reference to last Measurement
nber 3	Length 4	Breadth 5	Depth 6	7	8
0×2)	52·00	0·35	0·10	1·82 cum	
0×2)	58·00	0·35	0·10	2·04 cum	
10	54·00	0·35	0·10	0·94 cum	
50	30·00	0·30	0·10	0·45 cum	
00	19·00	0·30	0·10	0·28 cum	
0	20·00	0·30	0·15	0·30 cum	
0×3)	19·00	0·30	0·10	0·85 cum	
0×2)	28·00	0·30	0·10	0·84 cum	
		Total	do	9·35 cum	
				Rs	53,921·00
767	cum				
		Total	Amt	Rs 419,9	5751·00

M. A. R. 57 (Rule 116)
Measurement Book

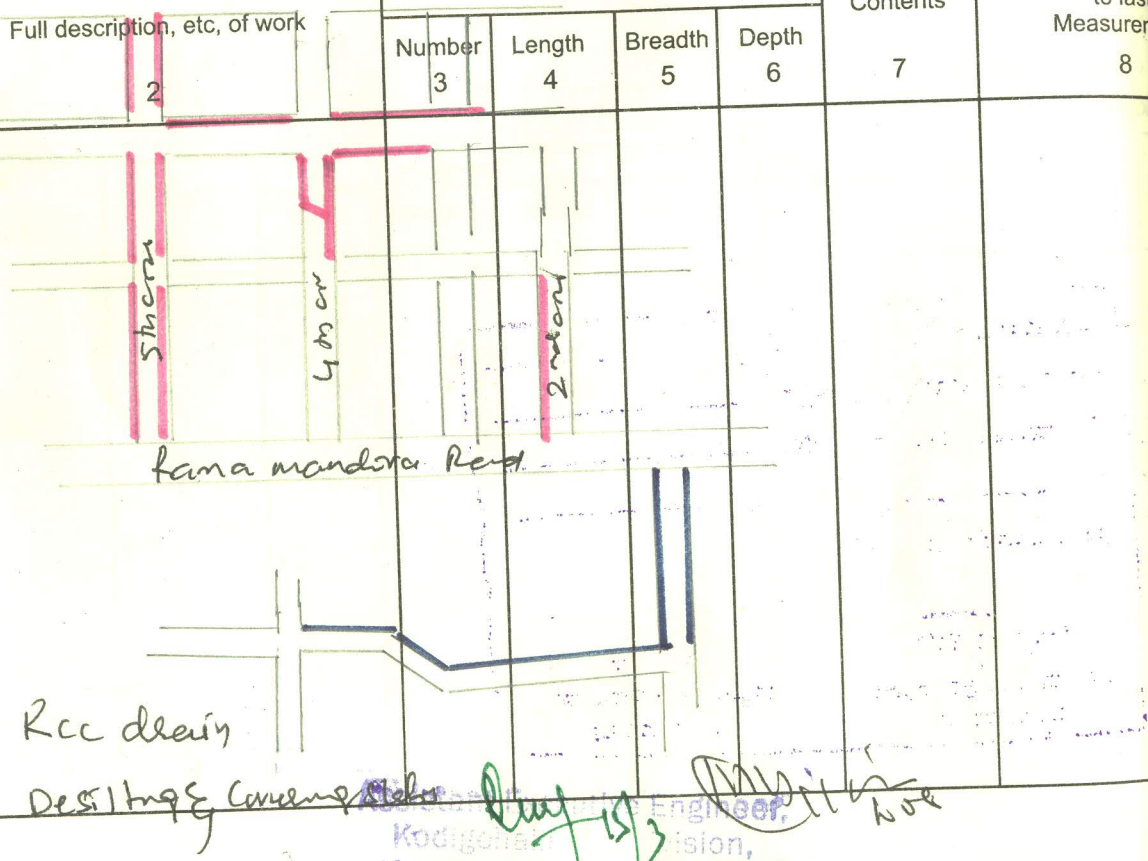
No. B 498020

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate (1) The work completed is satisfactorily (2) The contractor has arranged his own men & machinery (3) The contractor has removed all the debris from site. Thanking 6/3/19						

Asst. Engineer
Koramangala Division
Yelahanka Zone, B.B.M.P.
Bangalore.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
							

Executive Engineer,
Kodigehalli Division,
Yelahanka [illegible] M.P.,

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	1st and final

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 41.95
ಗ[illegible] ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ
ಮೊ[illegible] ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊ
Rs: Thirtynine Thou
four hundred
ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ
ಲೆಕ್ಕಾಧೀಕ್ಷಕರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಯಲಹಂಕ ವಿಭಾಗ
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ. ಬಿ. ಮ. ಪಾ

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8

Engineer,
ision,
.B.M.P.,

M. A. R. 57 (Rule 116

Measurement Book

No. B

498021

Serial No. .....

Name of Work ..... From.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	6	Contents 7	Reference to last Measurement 8
	1st and final bill.					Total Rs. 41,95,755-00	
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 41.95755-೦೦					IT - 41958-೦೦	
	ಗ[illegible] ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 242335-೦೦					Cess - 41958-೦೦	
	[illegible] ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 3953420-೦೦					CBF - 4196-೦೦	
	Rs: Thirtynine Lakh fifty three					LR - 79299-೦೦	
	thousand four hundred + twenty ೦೦					CGST - 37462-೦೦	
	ಈ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ					SGST - 37462-೦೦	
	ಲೆಕ್ಕಾಧೀಕ್ಷಕರು ಕಾ. ಪಾ. ಅ. ಬೃ. ಬ. ಮಂಡಲ ಬೃ. ಬ. ಮ. ಪಾ					Adju. 2,42,335-೦೦	
						Chqd: 39,53,420-೦೦	